Amendment to the Claims:

This listing of claims will replace all prior versions, and listing, of claims in the application.

Listing of Claims:

[c1] (currently amended) An apparatus for controlling the injection of fuel in a turbine engine having a combustion chamber, said apparatus comprising:

a) at least four fuel injectors arranged in independent groups for delivering fuel in pulses to said combustion chamber of said turbine engine;

b) at least one operating sensor, said sensor having means for receiving sensor signals from a selected operating function of said turbine engine;

c) a programmable electronic control unit for receiving and comparing the value of said sensor signals from said turbine engine to the value of a desired signal, and for generating fuel injector control signals to said groups of injectors, independently from each other and staggered in time, in response thereto; and

d) a means for directing said fuel injector control signals to said fuel injector groups to modify the pulse duration and/or frequency of said fuel injector groups in response to a deviation from desired engine speeds caused by variable operating loads encountered by said turbine engine.

[c2] (previously presented) The apparatus of claim 1 wherein said fuel injector groups each atomizes the fuel supplied to individual injectors within said group and delivers said fuel in pulses from each injector within said group as a fine mist directly into said combustion chamber at the point of utilization.

[c3] (currently amended) The apparatus of claim 1 wherein ~~said turbine engines comprises at least four fuel injectors with the quantity of~~ the fuel injectors ~~being capable of being~~ may be divided into groups with an equal number of said fuel injectors in each group.

[c4] (previously presented) The apparatus of claim 1 wherein at least one said operating sensor receiving input from a selected operating function of said turbine engine is utilized to control the pulse width and/or frequency of said groups of fuel injectors.

[c5] (previously presented) The apparatus of claim 1 in which the programmable electronic control unit consists of a group comprising a microprocessor and a microcomputer to control said injector groups.

[c6] (previously presented) The apparatus of claim 1 in which the orientation of said injectors penetrating said combustion zone of said turbine is parallel to the axis of said turbine engine's shaft or displaced at some angle from the axis of said turbine shaft.

[c7] (currently amended) A method for controlling the injection of fuel in pulses by groups of injectors in a turbine engine having a combustion chamber and having at least four fuel injectors arranged in groups and at least one sensor for sensing operating signals from said engine, said method comprising the steps of:

a) delivering fuel in pulses to said combustion chamber using said groups of fuel injectors;

b) sensing at least one operating sensor signal from said turbine engine using said sensor; and

c) directing said fuel injector signals to said groups of fuel injectors to modify the pulse duration and/or frequency of fuel injection of said groups independently from

each other in response to a deviation from desired engine operating parameters caused by variable operating loads encountered by said turbine engine.

[c8] (previously presented) The method of claim 7 wherein said operating sensor signal is generated from a selected parameter of said turbine engine.

[c9] (previously presented) The method of claim 7 wherein said step of generating control signals to groups of injectors by said programmable electronic control unit is accomplished using a pulse width modulation system comprising at least one of a microprocessor and a microcomputer.

[c10] (previously presented) The method of claim 7 wherein said turbine engine comprises at least two groups of fuel injectors utilizing at least two injectors in each group.

[c11] (currently amended) The method of claim 7 wherein ~~said turbine engine utilizes an equal number of~~ the injectors in each group are equally distributed radially around the combustion chamber ~~area of said turbine~~.

[c12] (previously presented) The method of claim 7 wherein said injectors are arranged to penetrate the combustion zone of said turbine engine either parallel to the axis of the shaft of said turbine engine or displaced at some angle from the axis of said turbine shaft.

[c13] (new) The method of claim 7 in which the fuel injector signals to each group are staggered in time.

[c14] (new) The apparatus of claim 1 in which the injectors in each group are equally distributed radially around the combustion chamber.